

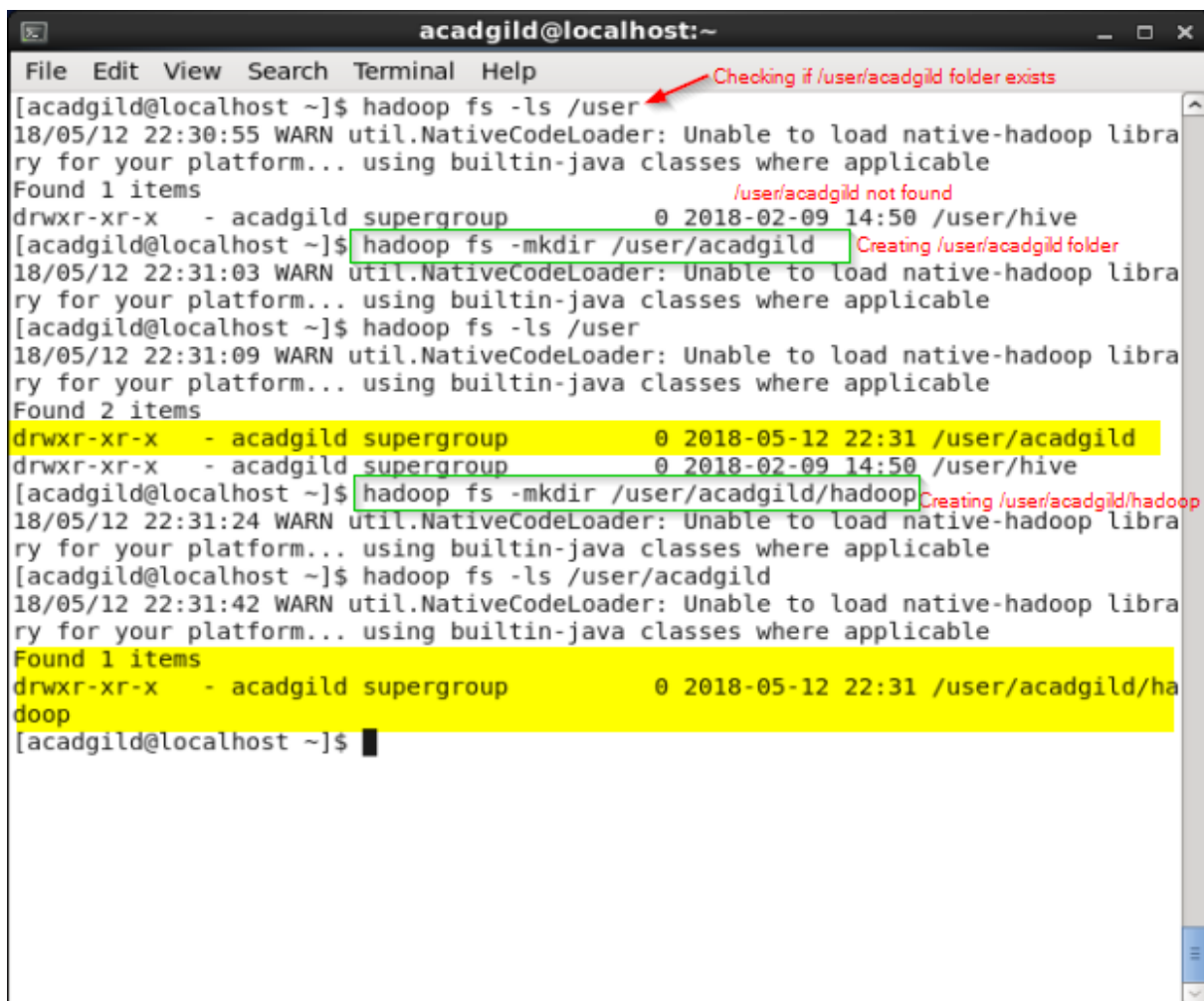
## Assignment 1.3

### Task 1:

Check whether /user/acadgild directory exists or not in the HDFS.

If it doesn't exist, then create this.

Create a directory /user/acadgild/hadoop.



```
acadgild@localhost:~  
File Edit View Search Terminal Help  
[acadgild@localhost ~]$ hadoop fs -ls /user  
18/05/12 22:30:55 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
Found 1 items  
drwxr-xr-x - acadgild supergroup 0 2018-02-09 14:50 /user/hive  
[acadgild@localhost ~]$ hadoop fs -mkdir /user/acadgild  
18/05/12 22:31:03 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
[acadgild@localhost ~]$ hadoop fs -ls /user  
18/05/12 22:31:09 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
Found 2 items  
drwxr-xr-x - acadgild supergroup 0 2018-05-12 22:31 /user/acadgild  
drwxr-xr-x - acadgild supergroup 0 2018-02-09 14:50 /user/hive  
[acadgild@localhost ~]$ hadoop fs -mkdir /user/acadgild/hadoop  
18/05/12 22:31:24 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild  
18/05/12 22:31:42 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
Found 1 items  
drwxr-xr-x - acadgild supergroup 0 2018-05-12 22:31 /user/acadgild/hadoop  
[acadgild@localhost ~]$
```

The terminal window shows the user 'acadgild' at 'localhost'. The first command is 'hadoop fs -ls /user', which lists the '/user/hive' directory. The second command is 'hadoop fs -mkdir /user/acadgild', which creates the new directory. The third command is 'hadoop fs -ls /user', which now shows both '/user/hive' and '/user/acadgild'. The fourth command is 'hadoop fs -mkdir /user/acadgild/hadoop', which creates the subdirectory. The final command is 'hadoop fs -ls /user/acadgild', which shows the '/user/acadgild/hadoop' directory. Red annotations with arrows point to the first and fourth commands, stating 'Checking if /user/acadgild folder exists' and 'Creating /user/acadgild/hadoop' respectively. A green box highlights the 'mkdir' command in the second and fourth lines. The output of the third and fifth commands is highlighted in yellow.

## Task 2:

Create a file in HDFS under directory /user/acadgild/hadoop, with name word-count.txt.

Whatever we type on screen should get appended to the file.

Try to type (on screen) few lines from any online article or textbook.

```
acadgild@localhost:~  
File Edit View Search Terminal Help  
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop  
18/05/12 22:56:29 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
You have new mail in /var/spool/mail/acadgild  
[acadgild@localhost ~]$ hadoop fs -touchz /user/acadgild/hadoop/word-count.txt  
18/05/12 22:56:50 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop  
18/05/12 22:56:59 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
Found 1 items  
-rw-r--r-- 1 acadgild supergroup 0 2018-05-12 22:56 /user/acadgild/hadoop/word-count.txt
```

```
[acadgild@localhost ~]$ echo India, also called Republic of India is a country in South Asia.| hadoop fs -appendToFile - /user/acadgild/hadoop/word-count.txt  
18/05/12 22:59:11 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
[acadgild@localhost ~]$ echo It is the seventh-largest country by area, the second most populous country with over 1.2 billion people and most populous Democracy in the world.| hadoop fs -appendToFile - /user/acadgild/hadoop/word-count.txt  
18/05/12 23:00:23 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
You have new mail in /var/spool/mail/acadgild  
[acadgild@localhost ~]$ echo It is bounded by Indian Ocean on the south, the Arabian Sea on the southwest, and the Bay of Bengal on the south east.| hadoop fs -appendToFile - /user/acadgild/hadoop/word-count.txt  
18/05/12 23:01:36 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
You have new mail in /var/spool/mail/acadgild  
[acadgild@localhost ~]$
```

```
acadgild@localhost:~  
File Edit View Search Terminal Help  
[acadgild@localhost ~]$ hadoop fs -cat /user/acadgild/hadoop/word-count.txt  
18/05/12 23:05:43 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
India, also called Republic of India is a country in South Asia.  
It is the seventh-largest country by area, the second most populous country with over 1.2 billion people and most populous Democracy in the world.  
It is bounded by Indian Ocean on the south, the Arabian Sea on the southwest, and the Bay of Bengal on the south east.  
[acadgild@localhost ~]$
```